

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	93	US-5678070-\$.DID. OR US-20050286141-\$.DID. OR US-5950021-\$.DID. OR US-4864337-\$.DID. OR US-5345283-\$.DID. OR US-5510868-\$.DID. OR US-5900992-\$.DID. OR US-6160583-\$.DID. OR US-4422740-\$.DID. OR US-4477167-\$.DID. OR US-4483603-\$.DID. OR US-4542972-\$.DID. OR US-4764784-\$.DID. OR US-4857947-\$.DID. OR US-4952965-\$.DID. OR US-5239415-\$.DID. OR US-5250976-\$.DID. OR US-5293193-\$.DID. OR US-5307103-\$.DID. OR US-5412443-\$.DID. OR US-5418650-\$.DID. OR US-5432575-\$.DID. OR US-5438387-\$.DID. OR US-5444510-\$.DID. OR US-	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/07/18 11:22

		5539490-\$.DID. OR US- 5546233-\$.DID. OR US- 5574526-\$.DID. OR US- 5634142-\$.DID. OR US- 5664240-\$.DID. OR US- 5675441-\$.DID. OR US- 5678100-\$.DID. OR US- 5749003-\$.DID. OR US- 5768636-\$.DID. OR US- 5774748-\$.DID. OR US- 5844726-\$.DID. OR US- 5956533-\$.DID. OR US- 5980121-\$.DID. OR US- 5983033-\$.DID. OR US- 5999750-\$.DID. OR US- 6047132-\$.DID. OR US- 6064826-\$.DID. OR US- 6086266-\$.DID. OR US- 6122116-\$.DID. OR US- 6330398-\$.DID. OR US- 6339682-\$.DID. OR US- 6879445-\$.DID. OR US- 7061689-\$.DID. OR US- 7233449-\$.DID. OR US- 20050052560-\$.DID.				
S2	720	396/55	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:29

S3	4	S2 and manufactur\$4 near10 lens adj barrel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:29
S4	0	S2 and mthod adj manufactur\$4 adj lens adj barrel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:30
S5	0	S2 and mthod adj manufactur\$4 adj lens adj drive adj (device or unit or system)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:30
S6	0	S2 and method adj manufactur\$4 adj lens adj drive adj (device or unit or system)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:31
S7	7	method adj manufactur\$4 adj lens adj drive adj (device or unit or system)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:31

S8	255	396/55 and lens adj driv\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:38
S9	20234	lens adj driv\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:38
S10	2441	lens adj barrel near (mov \$4 or motion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:39
S11	9578	regulat\$4 adj part	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:39
S12	10905	protrus\$4 adj (part or member)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:40

S13	19317	magnetic adj (means or member or part or section)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:40
S14	0	case boady	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:41
S15	24269	case body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:41
S16	6087	S15 and (cylindrical or circular)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:41
S17	13669	female screw and male screw	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:42

S18	537	S9 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:42
S19	1	S11 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:43
S20	1	S12 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:43
S21	6	S13 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:43
S22	4	S15 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:45

S23	43	S16 and S17	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:47
S24	0	case adj body near10 (two or S2) adj (parts or portions or frames or body)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:50
S25	47	lens adj barrel near10 (two or S2) adj (parts or portions or frames or body)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 11:54
S26	2	jp-2004304566-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 12:13
S27	2	jp-2002374436-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 12:13

S28	223	magnet and coil and lens holder and lens and lens barrel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/18 12:56
S29	5	("4596449" "4605286" "6800970" "7206145" "7221526").PN. OR ("7359631").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/18 13:00
S30	0	JP-2002374436-\$.frpn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:01
S31	0	JP-200237443.frpn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:02
S32	0	"200237443".frpn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:02
S33	0	"2002374436".frpn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:02

S34	0	"2002374436".frpn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:02
S35	0	"2002-374436".frpn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:02
S36	2	JP-2002374436-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:03
S37	105277	"359"/\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:04
S38	55	amakasu-mikio.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:07

S39	98831	"348"/\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:16
S40	0	S37 near S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:16
S41	9396	S37 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:17
S42	5065	lens driv\$4 (device or apparatus or system)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:17
S43	21388	"396"/\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:18

S44	879	(S37 or S39 or S43) and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:18
S45	3172	(mov\$4 lens or lens adj barrel) and lens adj holder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:19
S46	108	S44 and S45	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:19
S47	1469	(lens holder or lens adj barrel adj holder) near4 magnet\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:21
S48	2519	(lens holder or lens adj barrel adj holder) with magnet\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:21

S54	42	S46 and S49	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:25
S55	0	S54 and S53	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:25
S56	2	S46 and S51	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:26
S57	3	("20040012695" "6348948" "6559888"). PN. OR ("6853808").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/21 12:32
S58	22	S47 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:39
S59	21	S47 and S51	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:39

S60	1155	magnet\$4 adj3 (disposed or attached or fix\$4) near5 (stationary or fix\$4 or holder or second) adj (holder or body or frame or case)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:45
S61	367	magnet\$4 adj3 (dispos\$4 or attach\$4 or fix\$4) near5 (lens holder or lens adj barrel adj holder)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:46
S62	12	S60 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:47
S63	114	lens barrel and lens barrel holder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:52
S64	0	magnet (comprise or attach \$4 or fix\$4) with lens barrel holder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:53

S65	6	magnet adj4 (comprise or attach\$4 or fix\$4) and S63	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:53
S66	3	S44 and S63	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 12:56
S67	254	lens drive device	US-PGPUB; USPAT	ADJ	ON	2008/07/21 12:57
S68	87	lens drive apparatus	US-PGPUB; USPAT	ADJ	ON	2008/07/21 12:57
S69	222	lens drive system	US-PGPUB; USPAT	ADJ	ON	2008/07/21 12:58
S70	12029	(lens adj barrel or lens-barrel)	US-PGPUB; USPAT	ADJ	ON	2008/07/21 12:58
S71	89	S69 and S70	US-PGPUB; USPAT	ADJ	ON	2008/07/21 12:58
S72	8341	(lens holder or len-barrel holder)	US-PGPUB; USPAT	ADJ	ON	2008/07/21 12:58
S73	89	S69 and S71	US-PGPUB; USPAT	ADJ	ON	2008/07/21 12:59
S74	1090	S70 and S72	US-PGPUB; USPAT	ADJ	ON	2008/07/21 12:59

S75	7	S67 and S74	US-PGPUB; USPAT	ADJ	ON	2008/07/21 12:59
S76	979	magnet with S72	US-PGPUB; USPAT	ADJ	ON	2008/07/21 13:03
S77	14	magnet adj (attach\$4 or disposed) S72	US-PGPUB; USPAT	ADJ	ON	2008/07/21 13:04
S78	329	magnet adj (attach\$4 or disposed) and S72	US-PGPUB; USPAT	ADJ	ON	2008/07/21 13:04
S79	138	(S37 or S39 or S43) and magnet adj (attach\$4 or disposed) and S72	US-PGPUB; USPAT	ADJ	ON	2008/07/21 13:05
S80	107	case body with magnet	US-PGPUB; USPAT	ADJ	ON	2008/07/21 13:13
S81	1119	359/824	US-PGPUB; USPAT	ADJ	ON	2008/07/21 13:15
S82	9	"5572372"	US-PGPUB; USPAT	ADJ	ON	2008/07/21 13:23
S83	10	"5572372"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 13:23
S84	1119	359/824	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 13:24

S85	619	(359/824).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/07/21 13:24
S86	359	(359/696).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/07/21 13:29
S87	0	("55and57").PN.	US-PGPUB; USPAT	OR	OFF	2008/07/21 13:30
S88	51	S85 and S86	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 13:30
S89	2	(spacer or member) with sandwich\$4 adj4 between (first adj portion and second adj portion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 17:54
S90	101	(spacer or member) with between adj4 (first adj case and second adj case)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 17:54
S91	57	(spacer or member) with between adj4 (first adj holder and second adj holder)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 17:55

S97	36	S94 and S95	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 18:02
S98	9	S94 and S96	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 18:02
S99	1	S96 and (S90 or two portions)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 18:08
S100	27	S96 and (S90 or two frames or holder or portion or case)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 18:09
S101	525	spacer and (camera or lens) module	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 18:14

S107	36993	camera module or lens module or lens barrel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 18:22
S108	4	S104 and S107	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 18:23
S109	2	"20040207745"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 18:25
S110	2	"20040207745"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/21 19:11
S111	97	spacer with (camera or lens) module	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/22 09:32

S112	2	"20060204240"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/22 14:53
S113	79	unislid or XY slid	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/22 15:17
S114	379	396/133	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 10:33
S115	6	"7031603"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 11:28

S116	99	("20010017738"	US-PGPUB;	ADJ	ON	2009/01/16
		"20010019458"	USPAT; USOCR			11:30
		"20010024573"				
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"5548446"	"5587754"
"5636062"	"5715482"
"5731913"	"5739962"
"5765049"	"5790907"
"5790911"	"5818647"
"5832326"	"5870232"
"5909600"	"5912772"
"5926322"	"6031998"
"6052535"	"6055116"
"6064533"	"6069745"
"6075655"	"6115190"
"6185375"	"6204977"
"6324019"	"6366323"
"6490099"	"6570718"

S122	2	"7286448"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 11:51
S123	6	"4747669"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 11:56
S124	1753	359/811	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 12:01
S125	2874	359/819	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 12:01
S126	1902	359/823	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 12:01

S128	526	359/827	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 12:01
S129	0	h04n5/225	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:16
S130	62179	h04n5/225	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:17
S131	29021	fixed adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:17
S132	45	S130 and S131	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:17

S133	121	lens adj barrel adj holder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:17
S134	10863	lens adj frame	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:17
S135	287	S130 and S134	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:17
S136	61212	mov\$5 adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:18
S137	130	S130 and S136	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:18

S138	3	S133 and S136	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:22
S139	2	359/811 and lens adj barrel and lens adj barrel adj holder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:56
S140	2	359/811 and (lens adj barrel) and (lens adj barrel adj holder)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:56
S141	121	(lens adj barrel) and (lens adj barrel adj holder)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:56
S142	121	(lens adj barrel) same (lens adj barrel adj holder)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:56

S143	0	driv\$4 adj means and S142	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:57
S144	137	mov\$5 adj lens adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:57
S145	916	mov\$5 adj lens adj frame	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:57
S146	13	S130 and S142	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:58
S147	41	S130 and S145	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:58

S148	1	S130 and S144	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 14:58
S149	216	(lens adj barrel) with male adj screw	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:00
S150	3	(lens adj barrel adj holder) with female adj screw	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:01
S151	5	(lens adj barrel adj holder) same female adj screw	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:01
S152	13	("20020012176" "20050068456" "20050264670" "3912379" "4620775" "5251063" "6476982" "6728047" "6813099" "6970306" "6977779"). PN. OR ("7196855").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 15:10

S153	0	359/819 and movable adj lens adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:35
S154	0	359/819 and drive adj means	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:36
S155	105231	"348"/\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:36
S156	1219	359/824	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:38
S157	8	lens adj barrel adj holder same (magnet or driv\$4 adj means)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:39

S158	6	lens adj barrel adj holder with (magnet or driv\$4 adj means)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:39
S159	1	(magnet or driv\$4 adj means) with (fix\$2 or attach\$4 or dispos\$4) with (lens adj barrel adj holder)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:42
S160	0	(first adj magnet or driv\$4 adj means) with (fix\$2 or attach\$4 or dispos\$4) with (lens adj barrel adj holder)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:42
S161	0	(first adj magnet\$4 or first adj driv\$4 adj means) with (fix\$2 or attach\$4 or dispos \$4) with (lens adj barrel adj holder)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:42
S162	197	"348"/\$ and (first magnet \$4 or first adj driv\$3 adj means)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:43

S163	176	"348"/\$ and (second adj magnet\$4 or second adj driv\$3 adj means)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:44
S164	148	S162 and S163	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:44
S165	10	("4996545" "5266988" "5583597" "5721969" "5835799").PN. OR ("5995762").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 15:45
S166	1	("2004/0207745").URPN.	USPAT	ADJ	ON	2009/01/16 15:46
S167	355	(first magnet\$4 or first adj driv\$3 adj means) and lens adj holder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:47
S168	26603	(second adj magnet\$4 or second adj driv\$3 adj means) and (fix\$3 adj body or case or hous\$3 or stationary adj body)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:48

S169	67	S156 and S167	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:48
S170	239	S167 and S168	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:55
S171	2	(first magnet\$4 or first adj driv\$3 adj means) and lens adj barrel adj holder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:55
S172	22666	"396"/\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:56
S173	15	S170 and S172	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:56

S174	1232	lens adj drive adj mechanism	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:58
S175	1	(first magnet\$4 or first adj driv\$3 adj means) with lens adj barrel adj holder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:58
S176	125	(first magnet\$4 or first adj driv\$3 adj means) with lens adj holder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:58
S177	2	S174 and S176	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:59
S178	6	S167 and S174	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 15:59
S179	3	("20040012695" "6348948" "6559888"). PN. OR ("6853808").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 16:00

S180	0	lens adj barrel adj holder with (compris\$4 or includ \$4) with magnet\$4 adj means	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 16:03
S181	3	lens adj barrel adj holder with (compris\$4 or includ \$4) with magnet\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 16:03
S182	216307	(fix\$3 adj body or case or hous\$3 or stationary adj body) with (magnet\$4 or driv\$3 adj means)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 16:11
S183	235078	(fix\$3 adj body or case or hous\$3 or stationary) with (magnet\$4 or driv\$3 adj means)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 16:12
S184	216241	(fix\$3 adj body or case or hous\$3) with (magnet\$4 or driv\$3 adj means)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 16:12

S185	68	S174 and S184	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 16:12
S186	924	S172 and S184	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 16:13
S187	89994	(fix\$3 adj body or hous\$3) with (magnet\$4 or driv\$3 adj means)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 16:18
S188	32	S174 and S187	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 16:18
S189	8	("4626077" "4634221" "4750821" "4793689" "4828360" "5138497" "5220461" "5499143"). PN. OR ("7145738").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 16:20

S190	97	US-5678070-\$.DID. OR US- 5438387-\$.DID. OR US- 5301066-\$.DID. OR US- 5950021-\$.DID. OR US- 6009279-\$.DID. OR US- 4540264-\$.DID. OR US- 4764783-\$.DID. OR US- 4847648-\$.DID. OR US- 4848884-\$.DID. OR US- 4853731-\$.DID. OR US- 4864337-\$.DID. OR US- 5302991-\$.DID. OR US- 5345283-\$.DID. OR US- 5510868-\$.DID. OR US- 5537174-\$.DID. OR US- 5760555-\$.DID. OR US- 5900992-\$.DID. OR US- 6008954-\$.DID. OR US- 6160583-\$.DID. OR US- 4277130-\$.DID. OR US- 4334746-\$.DID. OR US- 4417281-\$.DID. OR US- 4422740-\$.DID. OR US- 4477167-\$.DID. OR US- 4483603-\$.DID. OR US- 4486074-\$.DID. OR US- 4542972-\$.DID. OR US- 4572645-\$.DID. OR US- 4764784-\$.DID. OR US- 4783676-\$.DID. OR US- 4796045-\$.DID. OR US-	US-PGPUB; USPAT; JPO; DERWENT	ADJ	ON	2009/01/16 16:36
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		4825240-\$.DID. OR US- 4829328-\$.DID. OR US- 4857947-\$.DID. OR US- 4952965-\$.DID. OR US- 5239415-\$.DID. OR US- 5241422-\$.DID. OR US- 5250976-\$.DID. OR US- 5258797-\$.DID. OR US- 5293193-\$.DID. OR US- 5305049-\$.DID. OR US- 5307103-\$.DID. OR US- 5315340-\$.DID. OR US- 5373336-\$.DID. OR US- 5392160-\$.DID. OR US- 5412443-\$.DID. OR US- 5418650-\$.DID. OR US- 5420721-\$.DID. OR US- 5432575-\$.DID.				
S191	3	"20040207745"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 16:42
S192	2	("5572372" "5828503"). PN. OR ("7440201").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 16:43
S193	1452	359/900	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 16:52
S194	4744	camera adj module	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 16:53

S195	643	adjust\$4 with camera adj module	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 16:53
S196	2	lens adj barrel with threadedly with (engag\$4 or attach\$4) with lens adj barrel adj holder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 16:54
S197	5	lens adj barrel with threadedly with lens adj barrel adj holder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 16:54
S198	12	(camera or optical) adj module with (first and second) adj magnet\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 17:16
S199	3	("20070133973" "5572372" "5587846"). PN. OR ("7446964").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 17:22
S200	287	(camera or optical) adj module with magnet\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 17:23

S201	644	359/824 and magnet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 17:39
S202	33	S201 and focus adj adjust \$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 17:39
S203	30	("5321678" "6483101"). PN. OR ("6560047").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 17:44
S204	5	("20030043478" "20050036778" "20060164539" "5074682" "6560047"). PN. OR ("7367724").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 17:45
S205	4	("20060028929" "20060176589" "20060214520" "7268959").PN. OR ("7477462").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 17:55
S206	0	yoneyama-hideekazu.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 17:56

S207	28	yoneyama-hidekazu.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 17:56
S208	112	otsuki-noboru.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 17:59
S209	29706	lens adj barrel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:08
S210	2093	magnet\$4 adj2 (attach\$3 or dispos\$3 or fix\$2) adj (yoke or fixed adj body or housing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:11
S211	825	magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) adj (yoke or fixed adj body or housing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:12

S212	5019	magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) with (yoke or fixed adj body or housing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:12
S213	5	S209 and S211	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:12
S214	464	magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) adj (fixed adj body or housing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:16
S215	0	S209 and S214	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:16
S216	2	359/824 and (magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) adj (fixed adj body or housing))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:17

S217	5	"359"/\$ and (magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) adj (fixed adj body or housing))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:21
S218	3	"396"/\$ and (magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) adj (fixed adj body or housing))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:22
S219	3	"396"/\$ and (magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) adj (case adj body or housing))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:22
S220	1	"348"/\$ and (magnet\$4 adj (attach\$3 or dispos\$3 or fix\$2) adj (case adj body or housing))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:23
S221	2535	lens adj module	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:23

S222	11	S221 and first adj magnet and second adj magnet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:24
S223	8	("4519691" "4684233" "4992684" "5121016" "5229669" "5471100" "5706272" "5939804"). PN. OR ("7405892").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 18:25
S224	14	("4808955" "4831290" "5182481").PN. OR ("5471100").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 18:29
S225	15	("3723779" "4245917" "4439700" "4560263" "4589753" "4692999" "4705311" "4785210" "4828360").PN. OR ("5182481").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 18:32
S226	11622	(second adj magnet\$4 or second adj driv\$3 adj means) and (fix\$3 adj body or case adj body or hous\$3 or stationary adj body)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:54

S227	2160	(second adj magnet\$4 or second adj driv\$3 adj means) with (fix\$3 adj body or case adj body or hous\$3 or stationary adj body)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:54
S228	125	(first magnet\$4 or first adj driv\$3 adj means) with lens adj holder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:55
S229	6	S227 and S228	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:56
S230	38	method with manufactur\$4 with lens adj drive adj (device or mechanism)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 18:59
S231	1	(first magnet\$4 or first adj driv\$3 adj means) near lens adj holder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 19:04

S232	2	(first magnet\$4 or first adj driv\$3 adj means) near lens adj3 holder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 19:04
S233	379	396/133	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 19:05
S234	29	("3696725" "3951522" "4030113" "4404595" "4411498" "4585313" "4748466" "4825240" "4834514" "5032919" "5225939" "5400073" "5461443" "5731913" "5739853" "5748386" "5790319" "5805353" "5825559" "5861998" "5889555" "5969889" "5983033" "6031997" "6075655" "6266486" "6366323" "6421088" "6590720").PN. OR ("6784937").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 19:42

S235	17	("4676605" "5289318" "5373496" "5442490" "5471100" "5488603" "5587846" "5638222" "5705864" "5739608" "5900995" "6031651" "6414777").PN. OR ("6856469").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 19:50
S236	7	("20030007799" "4743931" "4763150" "4828360" "4963000"). PN. OR ("7039309").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 19:54
S237	11	("20020047313" "20040164623" "20040164624" "5418588" "6017155" "6560411" "6798093" "6800970" "6809884" "6850701" "7039309"). PN. OR ("7154199").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 19:55
S238	3	("20030178911" "4605286" "6650832"). PN. OR ("7146097").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 20:00
S239	7	("20030007799" "4743931" "4763150" "4828360" "4963000"). PN. OR ("7039309").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/17 12:49

S240	11	("20020047313" "20040164623" "20040164624" "5418588" "6017155" "6560411" "6798093" "6800970" "6809884" "6850701" "7039309"). PN. OR ("7154199").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/17 12:51
S241	8	("5400070" "5561460" "5933187" "6134057" "6236431" "6611079" "6804068" "6836057"). PN. OR ("7268816").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/17 13:16
S242	266300	electromagnetic adj (motor or actuator) or (VCM or voice adj coil adj motor) or (stator or magnetic adj rotor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 13:17
S243	821996	camera	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 13:18
S244	6251	S242 and S243	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 13:18

S245	635	movable adj lens adj (body or mount or tube or barrel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 13:19
S246	68724	fixed adj (case or housing or tube or mount or enclosure)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 13:20
S247	15	S245 and S246	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 13:20
S248	13	S244 and S245	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 13:20
S249	205	S244 and S246	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 13:21

S250	49773	(attach\$4 or fix\$3 or coupl \$3) adj magnet\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 13:22
S251	8	S245 and S250	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 13:22
S252	848	S246 and S250	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 13:22
S253	848	S252 and S252	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 13:22
S254	0	S251 and S252	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 13:22

S255	13	"5572372"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 14:11
S256	4	"7196855"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 15:26
S257	6	"7031603"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 15:36
S258	171563	"6" and stopper	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 15:39
S259	3	S257 and stopper	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/17 15:39

S260	2	"20070116445"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 10:31
S261	6402	driv\$4 adj magnet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 10:57
S262	22170	driv\$4 adj coil	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 10:58
S263	1	S261 with (maintain\$5 or keep\$4 or preserv\$8 or sustain\$5) with position\$4 adj relation\$9 with S262	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 11:01
S264	0	S261 with (keep\$4 or preserv\$8 or sustain\$5) with position\$4 adj relation \$9 with S262	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 11:01

S265	98	US-6031345-\$.DID. OR US- 6222684-\$.DID. OR US- 5455650-\$.DID. OR US- 5678070-\$.DID. OR US- 4789225-\$.DID. OR US- 4935764-\$.DID. OR US- 5177638-\$.DID. OR US- 5301066-\$.DID. OR US- 5430519-\$.DID. OR US- 5950021-\$.DID. OR US- 6009279-\$.DID. OR US- 6137958-\$.DID. OR US- 4367939-\$.DID. OR US- 4400075-\$.DID. OR US- 4443085-\$.DID. OR US- 4458992-\$.DID. OR US- 4534624-\$.DID. OR US- 4764783-\$.DID. OR US- 4805991-\$.DID. OR US- 4842392-\$.DID. OR US- 4847648-\$.DID. OR US- 4853731-\$.DID. OR US- 4855782-\$.DID. OR US- 4864337-\$.DID. OR US- 4925282-\$.DID. OR US- 4934797-\$.DID. OR US- 4945372-\$.DID. OR US- 5302991-\$.DID. OR US- 5331467-\$.DID. OR US- 5351264-\$.DID. OR US- 5376983-\$.DID. OR US-	US-PGPUB; USPAT; JPO; DERWENT	ADJ	ON	2009/06/18 11:03
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		5426478-\$.DID. OR US- 5457511-\$.DID. OR US- 5510868-\$.DID. OR US- 5606384-\$.DID. OR US- 5614972-\$.DID. OR US- 5658700-\$.DID. OR US- 5659808-\$.DID. OR US- 5677791-\$.DID. OR US- 5677789-\$.DID. OR US- 5687399-\$.DID. OR US- 5760555-\$.DID. OR US- 5875359-\$.DID. OR US- 5883738-\$.DID. OR US- 5966249-\$.DID. OR US- 5983031-\$.DID. OR US- 6008954-\$.DID. OR US- 6154613-\$.DID. OR US- 6208472-\$.DID.				
S266	1090	S261 and S262	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 11:12
S267	435	(396/133).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/06/18 11:12
S268	851	(359/811).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/06/18 11:12
S269	77546	("310").CLAS.	US-PGPUB; USPAT	OR	OFF	2009/06/18 11:12

S270	132316	("348").CLAS.	US-PGPUB; USPAT	OR	OFF	2009/06/18 11:12
S271	66825	h04n5/225	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 11:13
S272	195	S266 and (S267 or S268 or S269 or S270 or S271)	US-PGPUB; USPAT	ADJ	ON	2009/06/18 11:13
S273	120796	position\$4 adj relation\$7	US-PGPUB; USPAT	ADJ	ON	2009/06/18 11:14
S274	40	S272 and S273	US-PGPUB; USPAT	ADJ	ON	2009/06/18 11:14
S275	100192	("359").CLAS.	US-PGPUB; USPAT	OR	OFF	2009/06/18 11:15
S276	106	S266 and S275	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 11:15
S277	5	("20040012695" "6348948" "6559888").PN. OR ("6853808").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/18 11:27
S278	3	("5572372" "5828503").PN. OR ("7440201").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/18 11:35

S279	2	"11072693"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 14:50
S280	5	"7196855"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 14:53
S281	14	("20020012176" "20050068456" "20050264670" "3912379" "4620775" "5251063" "6476982" "6728047" "6813099" "6970306" "6977779"). PN. OR ("7196855").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/18 14:57
S282	23505	solid adj1 state adj imag\$4 adj (device or module) or camera adj module or lens adj module or (CCD or CMOS) adj module	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:09
S283	12299	female adj (thread or helicoid) and male adj (thread or helicoid)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:09

S284	42	S282 and S283	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:09
S285	18021	focus adj adjust\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:10
S286	614	S282 and S285	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:10
S287	9	S283 and S286	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:10
S288	104	manget and coil	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:21

S289	186634	magnet and coil	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:22
S290	533	S282 and S289	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:22
S291	62	S285 and S290	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:22
S292	4	("20060028929" "20060176589" "20060214520" "7268959").PN. OR ("7477462").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/18 15:23
S293	8	("4519691" "4684233" "4992684" "5121016" "5229669" "5471100" "5706272" "5939804"). PN. OR ("7405892").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/18 15:24

S294	38	thrust\$4 adj forc\$4 adj balance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:34
S295	68	macro-photograph\$4 and normal adj photograph\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:40
S296	250	(macro-photograph\$5 or close adj1 up adj photograph\$5) and normal adj photograph\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:40
S297	38	S285 and S296	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:53
S298	7	S283 and S296	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 15:58

S299	2	"6784937"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 18:03
S300	29	("3696725" "3951522" "4030113" "4404595" "4411498" "4585313" "4748466" "4825240" "4834514" "5032919" "5225939" "5400073" "5461443" "5731913" "5739853" "5748386" "5790319" "5805353" "5825559" "5861998" "5889555" "5969889" "5983033" "6031997" "6075655" "6266486" "6366323" "6421088" "6590720").PN. OR ("6784937").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/18 18:03
S301	6	"7039309"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/18 18:07

S302	14	("20020012176" "20050068456" "20050264670" "3912379" "4620775" "5251063" "6476982" "6728047" "6813099" "6970306" "6977779"). PN. OR ("7196855").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/07 10:03
S303	4296	lens with lens adj barrel with (lens adj barrel adj holder or frame)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:14
S304	390	(lens adj barrel adj holder or frame) with mov\$8 with support with lens adj barrel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:15
S305	4262	(lens adj barrel adj holder or frame) with first adj (magnet\$4 adj means or driv\$4 or magnet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:16
S306	2722176	cylindrical or circular	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:17

S307	1594	S305 and S306	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:17
S308	237	S304 and S306	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:17
S309	1642	S303 and S306	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:17
S310	3123	(female or helicoid) adj (thread or screw) with (inner or inside) adj peripher\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:18
S311	9	S307 and S310	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:18

S312	110	S308 and S310	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:18
S313	190	S309 and S310	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:19
S314	3859	(male or helicoid) adj (thread or screw) with (outer or external) adj peripher\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:19
S315	30977	lens adj barrel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:20
S316	390	S314 and S315	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:20

S317	229	S303 and S316	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:20
S318	332	lens adj barrel with mov\$9 with respect with (lens adj barrel adj holder or frame)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:21
S319	18107	focus adj adjust\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:21
S320	43	S318 and S319	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:21
S321	1724	S310 and S314	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:22

S322	73	S319 and S321	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:22
S323	402	(359/696).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/07 11:33
S324	436	(396/133).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/07 11:34
S325	1091	driv\$4 adj magnet and driv \$4 adj coil	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:52
S326	10	S325 and (S323 or S324)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 11:52
S327	7	("20010015860" "20050111113" "20060181632" "20060181748" "3687047" "4601539" "5289318").PN. OR ("7486882").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/07 11:53

S328	6	lens adj barrel with mov\$9 with respect with (lens adj barrel adj holder or frame) with (screw or thread\$4 or helicoid\$4) adj (mechanism or engagement)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 14:07
S329	0	lens adj barrel with mov\$9 with respect with (lens adj barrel adj holder) with (screw or thread\$4 or helicoid\$4) adj (mechanism or engagement)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 14:10
S330	3	lens adj barrel with mov\$9 with respect with (lens adj barrel adj holder) with (screw or thread\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 14:10
S331	332	lens adj barrel with mov\$9 with respect with (lens adj barrel adj holder or frame)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 14:12
S332	402	(359/696).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/07 14:12
S333	436	(396/133).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/07 14:12

S334	242	S331 and (S332 or S333 or "348"/\$ or "359"/\$ or "396"/\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 14:12
S335	2	"2004304566"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 16:43
S336	242	first adj case adj body and second adj case body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 16:47
S337	12978	(camera or lens) adj module	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 16:47
S338	0	S336 and S337	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 16:47

S339	6698	lens adj driv\$4 adj (device or mechanism)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 16:48
S340	0	S336 and S339	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 16:48
S341	101645	first adj (case or member or body) and second adj (case or body or member)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 16:49
S342	86	S339 and S341	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 16:49
S343	445	S337 and S341	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 16:49

S344	113	first adj abutting adj member	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 16:49
S345	120	second adj abutting member	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 16:50
S346	94	S344 and S345	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 16:50
S347	3964	abutting adj member	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 17:16
S348	143	S341 and S347	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 17:16

S349	131373	first adj (case or member or body) and second adj (case or body or member) or (first adj frame and second adj frame)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 17:25
S350	133	S339 and S349	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 17:26
S351	535	S337 and S349	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 17:33
S352	0	S347 and S351	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 17:34
S353	42994	("396").CLAS.	US-PGPUB; USPAT	OR	OFF	2009/07/07 17:34
S354	114344	("455").CLAS.	US-PGPUB; USPAT	OR	OFF	2009/07/07 17:34
S355	132820	("348").CLAS.	US-PGPUB; USPAT	OR	OFF	2009/07/07 17:34
S356	100573	("359").CLAS.	US-PGPUB; USPAT	OR	OFF	2009/07/07 17:34

S357	314	S351 and (S353 or S354 or S355 or S356)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 17:35
S358	13964	(camera or lens or image adj sensor) adj module	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 17:46
S359	540	S358 and S349	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 17:47
S360	316	S359 and (S353 or S354 or S355 or S356)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 17:47
S361	230	S359 and (S353 or S355 or S356)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/07/07 17:47

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